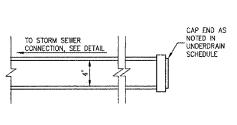
STORM SEWER CONCRETE COLLAR AND GROUT CONNECTION DETAIL



NOTE:

CAP MUST BE APPROVED PRIOR TO INSTALLATION, SEE SPECIAL PROVISIONS.

BOLT TO END SECTION 6" FROM EDGE OF CONC. 3 BOLT PLATES REQ'D 1/4"X4"X10"

UNDERDRAIN CAPPED END

V~BARS

V-BAR

INCHES

1/20

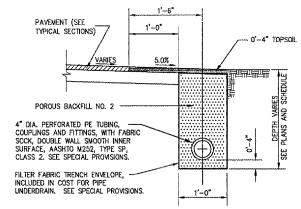
SIZE

INCHES

12

GRATING FOR FLARED END SECTION

END SECTIONS



UNDERDRAIN ALONG PAVEMENT EDGE

BOLT WITH FLAT WASHER AND

No. OF

H-BARS REO'D.

Size

5/8#

1/4" x 4" x 4"

PLATE WASHER

BOLT

DIA.

1/2

DIM.

STORM SEWER

PAY LENGTH

INCHES

AND GROUT CONNECTION DETAIL

STORM SEWER SCHEDULE

Structure	Station	Offset	Туре	Diameter	Plim El.	Invert EL	Pay Length	Size	Slope 2
N1	700+82.27	50.30° LT	FES	12*	N/A	778.10			
							90.5	12"	0.30
N2	700+82.27	52.23' RT	FES	12"	N/A	777.79			

UNDER EXISTING/FUTURE UNDER UNPAVED AREAS PAVEMENT SECTION FINISHED GRADE -COMPACTED GRANULAR TRENCH BACKFILL, SEE SPECIAL PROVISIONS. COST INCIDENTAL TO PIPE. 95% COMPACTION COMPACTED SELECT EARTH BACKFILL 90% COMPACTION -DRAINAGE PIPE, ITEM 701 COMPACTED FA-6 BEDDING, SEE SPECIAL PROVISIONS. COST INCIDENTAL TO PIPE. 0.D. + 2'-0" (PIPES < 48" DIA) O.D. + 3'-0" (PIPES > 48" DIA)

UNSUITABLE MATERIAL ENCOUNTERED DURING PLACEMENT OF BEDDING SHALL BE REMOVED AND REPLACED.

WITHIN 3 FEET OF EXISTING AND FUTURE PAVED AREA, GRANULAR BACKFILL IS TO BE USED INSTEAD OF EARTH BACKFILL.

PIPE TRENCH

DETAILS SHOWN ARE NOT TO SCALE

UNDERDRAIN SCHEDULE

Structure	Station	Offset	Туре	Invert EL	Pay Length	Slope %
U1	700+16.53	63.53° LT	Capped End	779.76		
					87.5'	0.86
U2	700+82.27	19.0° LT	RCP Connection	779.00		
U9	701+36.61	O' RT	High Point	778.53		
					19.0'	1.79
U4	701+36.61	19.0' LT	90° Connection	778.19		
					55.0'	0.30
U3	700+82.27	19.0' LT	RCP Connection	778.02		
U5	700+12.84	59.4' RT	Capped End	779.58		<u> </u>
					88.0*	0.79
U6	700+82.27	19.0' RT	RCP Connection	778.88		
U9	701+36.61	O' RT	High Point	778.53		
		*******************************			68.0'	0.44
U8	701+36.82	66.82' RT	Wye Connection	778.23		
					79.0'	0.30
U7	700+82.27	19.0° RT	RCP Connection	777.99		T

1. FOR ADDITIONAL RCP CONNECTION INFORMATION, SEE STORM SEWER CONCRETE COLLAR

2. FOR ADDITIONAL CAPPED END INFORMATION, SEE UNDERDRAIN INSPECTION HOLE DRTAIL.

Structure	Station	Offset	Туре	Diameter	Plim El.	Invert El.	Pay Length	Size	Slope X
N1	700+82.27	50.30' LT	FES	12*	N/A	778.10			
							90.5	12"	0.30
N2	700+82.27	52.23' RT	FES	12"	N/A	777.79			

TO FIT PIPE USED

SEE F.E.S. GRATING DETAIL FOR PLACEMENT SAME REINE, AS * 8" - 36" DIA. PIPE OR LESS 10" - GREATER THAN 36" DIA. PIPE ** 18" - 36" DIA. PIPE OR LESS 24" - GREATER THAN 36" DIA. PIPE STD REINE FOR CIRCULAR CLIII, WALL B PRECAST OR CAST IN PLACE END BLOCK REINF. CONC. PIPE COST INCIDENTAL TO FLARED END SECTION. 2 - NO. 4 BARS SECTION A-A

1. BARS AND PLATES ARE HOT ROLLED STEEL.

2. BARS, PLATES, PIPE AND BOLTS ARE GALVANIZED.

SLOPE 12" 4'-0 7/8" 6'-0 7/8" 2'--0" 2'-0" 3:1

-BOLT WITH FLAT WASHER AND HEX NUT (TYP.)

- 1. GRATING SHALL BE PAID FOR UNDER ITEM AR752518.
- 2. THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 502.10 OF IDOT SPECIFICATIONS, WITH COST INCIDENTAL TO FLARED END SECTION.
- 3. PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.

END VIEW

PRECAST CONCRETE FLARED END SECTION (IDOT STANDARD 542301)

No. Drawing Issue Description Date By

DH021

815 Commerce Drive Suite 200 Ook Brook, Illinois 60523 Telephone: 630.990.3800

Fox: 630,990,3801

CITY OF DIXON, ILLINOIS

DIXON MUNICIPAL AIRPORT CHARLES R. WALGREEN FIELD OVERLAY TAXIWAYS A, A1, A2 AND C:

IDA PROJECT NO. C73-3549

REMOVE AND REPLACE TAXIWAY CI AIP PROJECT NO. 3-17-0036-B9

Post Office Box 386 Dixon, Illinois 61021 Telephone: 815.288.1485

MARCH 3, 2006

STORM SEWER AND UNDERDRAIN SCHEDULES AND DETAILS

843-	05B	3009	
Project N	lumber		
SJM		12/08	/0!
Layout D	у	Dote	
SJM,	KLK	12/08	<u>/0</u> 5
Dealgned	Ву	Date	
RMH		02/03	/0
Reviewed	Ву	Date	

SJM |---